

Yeast lab notebook

First week

Experiment 1: Competent Cells

Protocol : Thermocompetent cells protocol

First try – Not much care, all resulting tubes were thrown away

Second try – Lesser volume, more care to cold, poured liquid nitrogen right into box for freezing.

Results : Tests seem to indicate that our method for transformation efficiency was simply not adapted to our competent cell protocol. We do not have the appropriate sterile cold room to produce high efficiency competent cells. Therefore, for biobricks and gibson assemblies, we need to use commercial competent cells. For transformations with plasmid constructs where the concentration is in the scale of 1 ng/ul or more our competent cells are usable.

Transformation efficiency obtained : To be verified exactly